

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031719\  
 Data File : VV009741.D  
 Acq On : 16 Mar 2019 20:29  
 Operator : SY/MD  
 Sample : K1949-09  
 Misc : 6.10G/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BF0Z0

Quant Time: Mar 18 08:15:32 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 18 07:41:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 223439   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 216787   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 92961    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 70612    | 46.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 93.74%  |
| 7) Chloroethane-d5             | 1.55    | 69    | 34594    | 31.13    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 62.26%# |
| 11) 1,1-Dichloroethene-d2      | 2.09    | 63    | 120609   | 37.59    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 75.18%  |
| 21) 2-Butanone-d5              | 3.95    | 46    | 91336    | 101.78   | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.78% |
| 24) Chloroform-d               | 4.40    | 84    | 131362   | 47.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 84944    | 50.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.14% |
| 32) Benzene-d6                 | 5.09    | 84    | 285320   | 50.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.74% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 86373    | 50.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.16% |
| 41) Toluene-d8                 | 7.36    | 98    | 269509   | 49.44    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 98.88%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 39855    | 48.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 97.74%  |
| 47) 2-Hexanone-d5              | 8.15    | 63    | 75567    | 107.65   | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 107.65% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 126286   | 48.27    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.54%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 98565    | 52.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.80% |

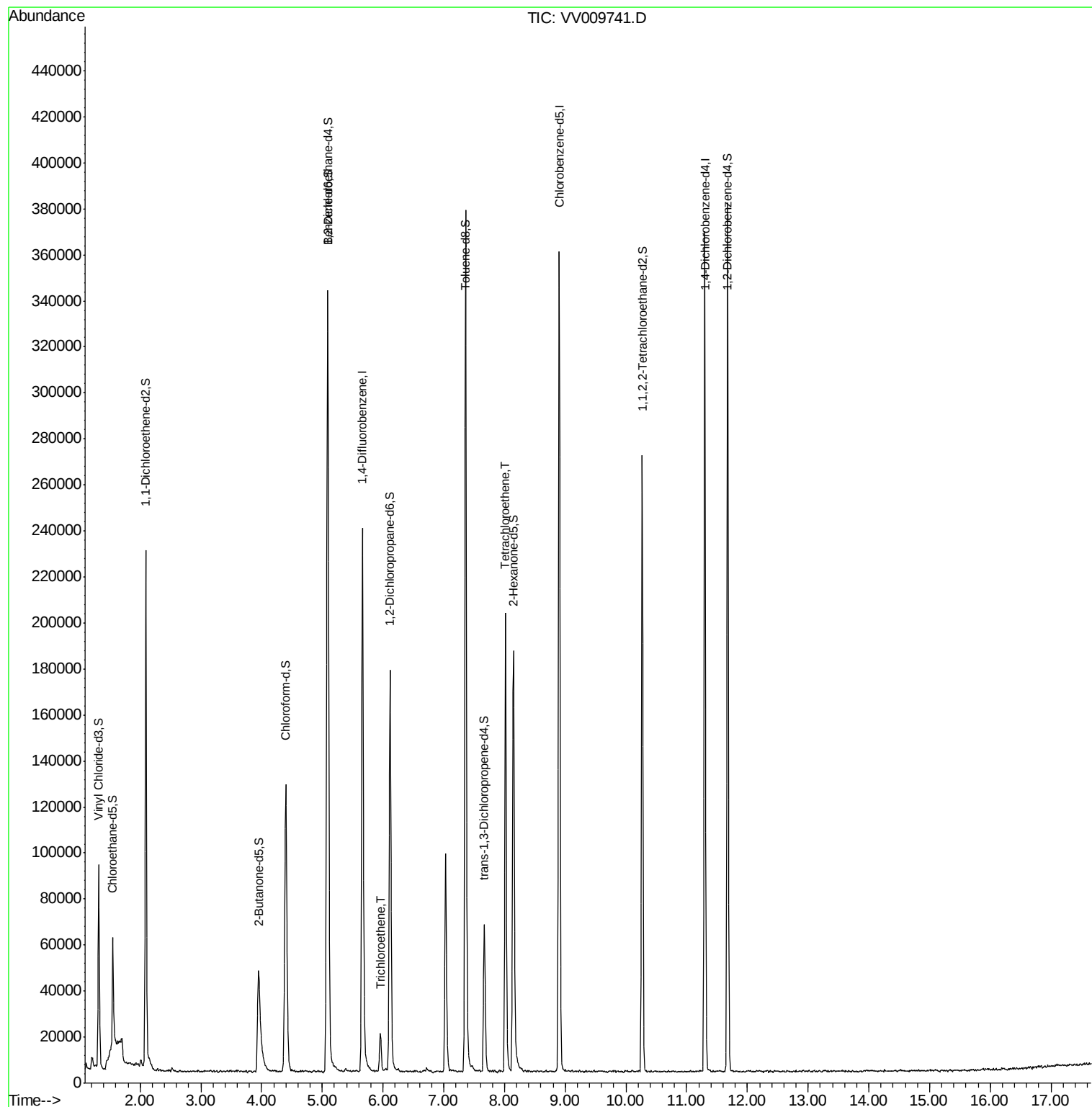
| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 34) Trichloroethene   | 5.96 | 95  | 5574  | 3.614 ug/L  | 95     |
| 46) Tetrachloroethene | 8.02 | 164 | 44212 | 34.341 ug/L | 97     |

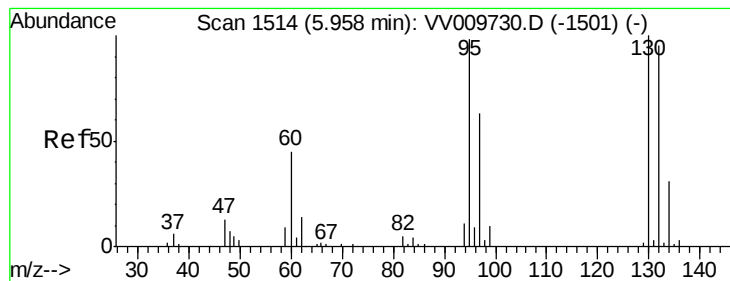
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 07:41:44 2019  
Response via : Initial Calibration





#34

Trichloroethene

Concen: 3.614 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009741.D

Acq: 16 Mar 2019 20:29

Instrument :

MSVOA\_V

ClientSampleId :

BF0Z0

Tot Ion: 95 Resp: 5574

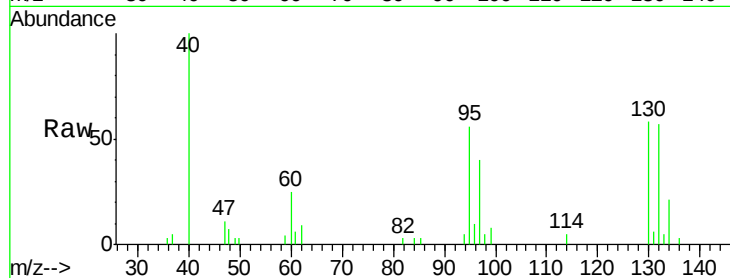
Ion Ratio Lower Upper

95 100

97 71.3 45.1 83.9

132 101.6 68.0 126.2

130 103.7 71.3 132.3

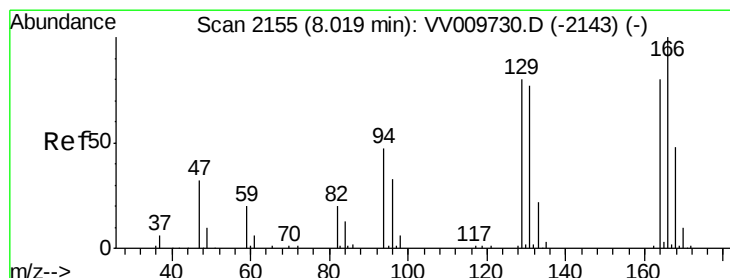
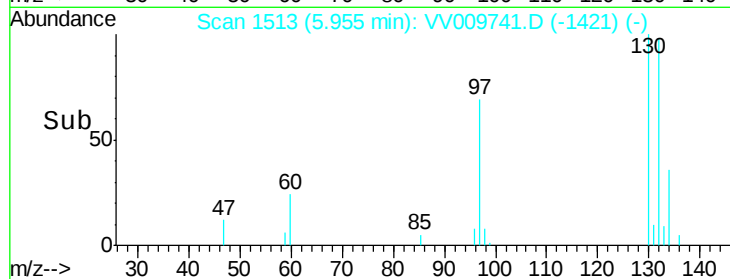
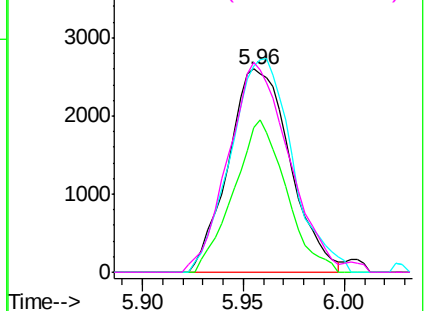


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#46

Tetrachloroethene

Concen: 34.341 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009741.D

Acq: 16 Mar 2019 20:29

Tgt Ion: 164 Resp: 44212

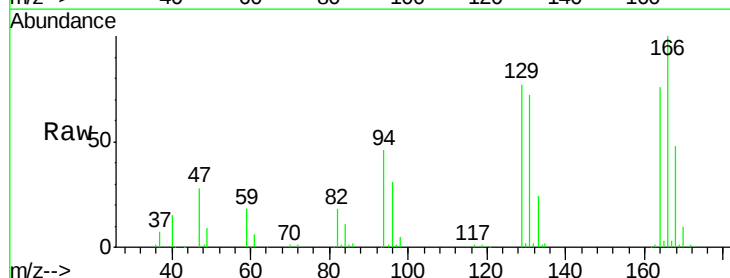
Ion Ratio Lower Upper

164 100

129 100.4 70.0 130.0

131 94.1 67.5 125.4

166 131.2 88.0 163.4



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

